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08,868762 ZA

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Other, description:

5,315,740

Doc Code: Artifact

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*Has received an application for a patent
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Therefore, this

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*Grants to the person or persons having
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Attest

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US005315740A

United States Patent [19]

Provost

[11] Patent Number: **5,315,740**[45] Date of Patent: **May 31, 1994**[54] **HOOK FOR HOOK AND LOOP FASTENERS**[75] Inventor: **George A. Provost, Litchfield, N.H.**[73] Assignee: **Velcro Industries, B.V., Amsterdam, Netherlands**[21] Appl. No.: **932,633**[22] Filed: **Aug. 20, 1992**[51] Int. Cl.⁵ **A44B 18/00**[52] U.S. Cl. **24/452; 24/442; 24/449**[58] Field of Search **24/452, 451, 450, 449, 24/442, 448**[56] **References Cited****U.S. PATENT DOCUMENTS**

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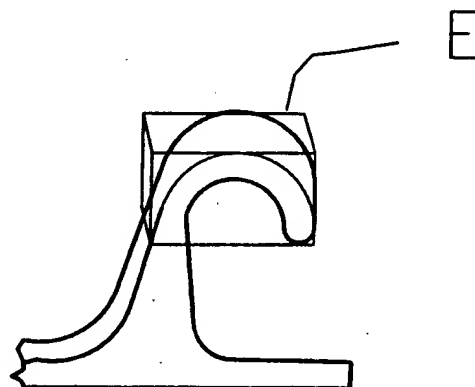
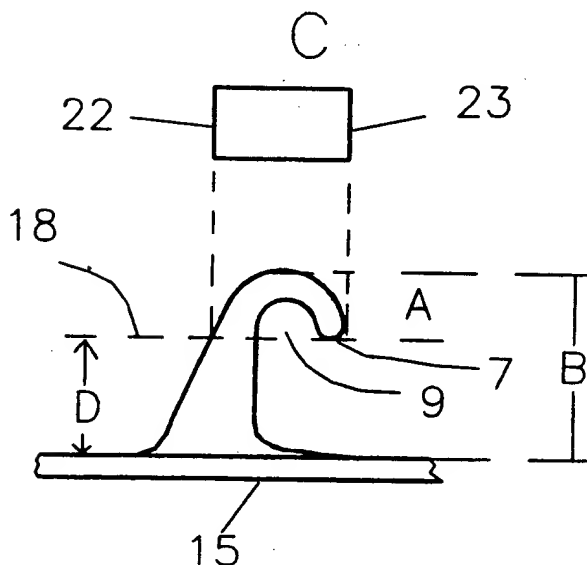
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[57]

ABSTRACT

A plastic molded hook for use with a hook and loop fastening system especially adapted for use with low profile loops. The hook design includes a base, a stem and a crook whereby the volume of the portion of the hook penetrating into a pile of loops is defined as the displacement volume. Hooks especially adapted for use with low profile loops have a displacement volume of less than 6×10^{-6} cubic inches.

15 Claims, 3 Drawing Sheets**BEST AVAILABLE COPY**